



IFW

Docket No.: CHNT-0015

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of :
: Arthur M. BROWN, Eckhard FICKER and : Group Art Unit: 1645
Barbara A. WIBLE :
Serial No.: 10/804,214 : Examiner: Unassigned
Filed: March 19, 2004 : Customer No.: 34610
For: HIGH THROUGHPUT ASSAY SYSTEMS AND METHODS FOR IDENTIFYING
AGENTS THAT ALTER EXPRESSION OF CELLULAR PROTEINS

INFORMATION DISCLOSURE STATEMENT

U.S. Patent and Trademark Office
220 20th Street S.
Customer Window
Crystal Plaza Two, Lobby, Room 1B03
Arlington, Virginia 22202

Sir:

Pursuant to 37 C.F.R. 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. One copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

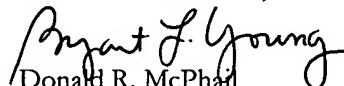
Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the indicated date. Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered. This statement should not be construed as a representation that a search has been made, that information cited in the statement is considered to be and/or is material to patentability, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith. It is further understood that the Examiner will consider information that was cited or submitted to the U.S. Patent and Trademark Office in a prior application relied on under 35 U.S.C. §120. 1138 OG 37, 38 (May 19, 1992).

- ☒ 1. This Information Disclosure Statement is being filed (i) within three months of the U.S. filing date of a U.S. application other than a CPA continued prosecution application under §1.53(d) OR (ii) within three months of the date of entry of the national stage as set forth in §1.491 in an international application OR (iii) before the mailing date of a first Office Action on the merits. No certification or fee is required. 37 C.F.R. §1.97(b).
- ☐ 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection OR Notice of Allowance OR an action that otherwise closes prosecution in the application. 37 C.F.R. §1.97(c).

- a. I hereby state that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(1).
- b. I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(2).
- c. Attached is our check no. _____ in the amount of \$180.00 in payment of the fee under 37 C.F.R. 1.17(p). Please credit or debit Deposit Account No. 16-0607 as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
- 3. This Information Disclosure Statement is being filed after the mailing date of a Final Rejection OR Notice of Allowance OR an action that otherwise closes prosecution in the application, but on or before payment of the Issue Fee. Attached is our check no. ____ in the amount of \$180.00 in payment of the fee under 37 C.F.R. 1.17(p). Please credit or debit Deposit Account No. 16-0607 as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached. 37 C.F.R. §1.97(d).
- a. I hereby state that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(1).
- b. I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(2).
- 4. Others:
- X 5. To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

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Date: September 21, 2004

Respectfully submitted,
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Please direct all correspondence to Customer Number 34610

LIST OF PRIOR ART CITED BY APPLICANT (PTO-1449)				ATTY. DOCKET NO. CHNT-0015		APPLN. SERIAL NO. 10/804,214	
				APPLICANT(S) Arthur M. Brown, Eckhard FICKER and Barbara A. WIBLE			
				CUSTOMER NO. 34610			
				FILING DATE March 19, 2004		GROUP 1645	

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U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE
	6,632,924	10/14/03	Bogan et al.	530	350	06/28/01
	6,303,373	10/16/01	Bogan et al.	435	325	06/09/00
	6,187,802	02/13/01	Cheetham et al.	514	370	03/09/98
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	4,476,129	10/09/84	Gootjes et al.	424	250	10/09/84
	4,202,896	05/13/80	Gootjes	424	250	05/13/80

U.S. PATENT APPLICATION PUBLICATIONS						
	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS	

U.S. PATENT APPLICATIONS						
	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS	

FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
	WO 91/01732	02/21/91	WIPO				
	WO 98/18368	05/07/98	WIPO				
	0 243 903 B1	04/28/87	EPO			ABST	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)	
	Maginn et al., "Protective Effects of Vanoxamine (GBR 12909) Against Ischemia-Induced Hyperactivity and Neurodegeneration in the Gerbil Model of Cerebral Ischemia", Abstract, Pharmacology, Biochemistry and Behavior, 1997, 56(4), pp. 727-735.
	Thomas et al., "High-Affinity Blockade of Human Ether-A-Go-Go-Related Gene Human Cardiac Potassium Channels by the Novel Antiarrhythmic Drug BRL-32872", Abstract, Journal of Pharmacology and Experimental Therapeutics, 2001, 297(2), pp. 753-761.
	Nielsen-Kidsk et al., "Myocardial Accumulation Kinetics and Pharmacodynamics in the Isolated Rabbit Heart of a New Inhibitor of Dopamine Reuptake, GBR 12909," abstract, Pharmacology & Toxicology (Oxford, United Kingdom), 1990, 66(3), pp. 197-202.

EXAMINER	DATE CONSIDERED
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	W. TANG, et al., "Development and Evaluation of High Throughput Functional Assay Methods for hERG Potassium Channel", October, 2001, pp. 325-331, Journal of Biomolecular Screening, Vol. 6, No. 5, Bridgewater, NJ.	
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Ficker et al, "The Binding Site for Channel Blockers that Rescue Misprocessed Human Long QU Syndrome Type 2 Ether-A-Gogo-Related Gene (HERG) Mutations," abstract, Journal of Biological Chemistry, 2002, 277(7), pp. 4989-4998.				
Balser, J.R. et al., "Suppression of time-dependent outward current in Guinea Pig Ventricular Myocytes: Actions of quinidine and amiodarone", Circ. Res. 69:519-529 (1991)				
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EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.